

IVANITSKAYA, O.S.; LEVASHEV, A.Ye.

On accelerated motions in a nonreduced (optical) reference system.  
Trudy FFI AN Uz SSR 3:103-110 '50. (MIRA 11:4)  
(Light--Speed) (Field theory) (Relativity (Physics))

IVANITSKAYA, O.S. [Ivanits'ka, O.S.]; LEVASHEV, A.Ye. [Levashev, A.IE.

Affinity between classical and relativistic dynamics, Newtonian  
approximation. Nauk povid. KDU no.1:5-6 '56. (MIRA 11:4)  
(Relativity (Physics)  
(Dynamics)

IVANITSKAYA, O.S. [Ivanits'ka, O.S.]

Spacelike hypersurfaces in relativistic dynamics. Nauk povid. KDU  
no.1:7-8 '56. (MIRA 11:4)  
(Relativity (Physics))  
(Dynamics)

IVANITSKAYA, O.S. [Ivanits'ka, O.S.]; LEVASHEV, A.Ye. [Levashev, A.IE.]

First-order observations pertaining to the theory of relativity.  
Nauk povid. KDU no.1:10-11 '56. (MIRA 11:4)  
(Relativity (Physics)) (Electrodynamics)

I V A N I S K A Y A , 0 . 5 .

PLATE I BOOK EXPLORATION 507/3369

21(1,8) 24(5)

Vesernaya seshchutovskaya konferentsiya po kvantovoy teorii polya  
i teori elementarnykh chastits. Uzgorod, 1958.

Problemy svershennyy teorii elementarnykh chastits. No. 2: Teoriy konferentsii. Problemy v Modern Theory of Elementary Particles. Mr. 2: Transactions of the All-Union Inter-Vuz Conference on the Quantum Field Theory and the Theory of Particles and the Quantum Field. Zakarpatskoye oblastnoye issled.-vo. Elektron. Particles. Uzgorod, Zakarpatskoye oblastnoye issled.-vo. 1959. 214 p. 5,000 copies printed.

Ed.: Yu. Lonsadze, Docent; Tech. Ed.: M. Belous.  
purpose: This book is intended for physicists, particularly those concerned with problems in the field of elementary particles and the quantum theory.

Covering: The book contains articles on elementary particles originally read at the All-Union Inter-Vuz Conference held at Uzhgorod State University on October 26, 1958. Among the topics discussed are: the spinor field theory, the fusion theory, Lorentz contractions, parity studies, nucleon-nucleon scattering, etc. English abstracts accompany each article. References follow each article.

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S/058/61/000/010/001/100  
A001/A101

AUTHOR: Ivanitskaya, O. S.

TITLE: The generalized equivalent potential and sequence of infinitesimal Lorentz contractions at rotational motion

PERIODICAL: Referativnyy zhurnal. Fizika, no. 10, 1961, 10, abstract 10A119  
(v sb. "Probl. sovrem. teorii elementarn. chastits", no. 2, Uzhgorod,  
1959, 44-51)

TEXT: The author considers the possibility of replacing dynamical mass by some equivalent potential. It is assumed that the possibility of such a replacement points to the existence of a sequence of infinitesimal Lorentz contractions, being the functions of coordinates, which is equivalent to the sequence of infinitesimal Lorentz contractions, being the functions of velocity, leading to origination of dynamical mass. Moreover, it is supposed that also other relativistic corrections, besides those entering the equivalent potential, are a result of the equivalent sequence of infinitesimal Lorentz contractions. This sequence is derived on the basis of general properties of the matrix of infinitesimal Lorentz contraction, information on the nature of symmetry of field and motion,

Card 1/2

S/058/61/000/010/001/100  
A001/A101

The generalized equivalent potential ...

and some other particular conditions. The motion equations of the special relativity theory are not made use of. An equation is written down from which equivalent sequence is determined. However, the single-valued determination of this sequence from the equation can be carried out only with addition of certain conditions mentioned above. Coefficients of the sequence of infinitesimal Lorentz contractions are calculated for the case of uniform rotation of a particle in a central field. The method described by the author is used for the analysis of Thomas precession and effect of variation of the life time of unstable particles in dependence on their velocity. A relation is established between equivalent sequence of Lorentz contractions and equivalent potential.

A. Temkin

[Abstracter's note: Complete translation]



Card 2/2

IYANITSKAYA, O. S.

S/058/63/000/001/037/120  
A062/A101

AUTHOR: Ivanyts'ka, O. S.

TITLE: Connection of the generalized equivalent potential with the geometric invariants

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 10, abstract 1884  
("Nauk. zap. Kyivs'k. un-t", 1959, v.18, no. 3, 223 - 231, Ukrainian;  
summary in Russian)

TEXT: When solving problems of the special relativity theory, the equivalent potential is sometimes introduced instead of the dynamic mass. This change is implicitly accompanied by a transition from infinitely small Lorentz transformations (functions of instantaneous velocities) to infinitely small transformations - functions of the coordinates. The article looks for these transformations and equations for the equivalent potential. To find infinitely small changes of the auxiliary unit vector, connected to the particle and caused by the acceleration of the particle, a parallel transfer is determined whose parameters are coefficients of an affine connection  $\Gamma^\nu_{\mu\nu}$ . There is considered a

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S/058/63/000/001/037/120  
A062/A101

Connection of the generalized equivalent potential...

particle rotating in a plane with a variable angular velocity around an electrostatic center. It is shown for this case that the geometric invariant  $R = g^{1/4} R_{\alpha} u^{\alpha} = 0$  is an equation for the generalized equivalent potential.

Yu. K. ✓

[Abstracter's note: Complete translation]

Card 2/2

BOGORODSKIY, A.F.; IVANITSKAYA, O.S., kand. fiz.-mat. nauk, otd. red.;  
NIKONCVA, R.S., red.

[Einstein's field equations and their use in astronomy] Urav-  
neniya polia Einshtaina i ikh primenenie v astronomii. Kiev,  
Izd-vo Kievskogo univ., 1962. 195 p. (MIRA 16:1)  
(Gravitation) (Cosmology) (Relativity (Physics))

L 16609-63

EWT(1)/FCC(w)/BDS AFFTC/ASD/IJP(C)

S/250/63/007/004/003/005

55

AUTHOR: Levashev, A. Ye. and Ivanitskaya, O. S.

TITLE: Two approaches to the covariant description of elementary particles fields.

PERIODICAL: Akademiya Nauk BSSR. Doklady. v. 7, no. 4, 1963, 233-236

TEXT: The authors consider whether it is possible to formulate a new approach to the covariant description of the fields of elementary particles that would not presuppose specific non-Galilean coordinates, but would operate with Galilean coordinates of local (contacting) spaces. It is shown by means of mathematical formulas that this approach ensues naturally from the theory of asymmetrical Lorentz connectedness, as a generalized tetradic formulation of the general theory of relativity. The most important English-language reference reads as follows: E. P. Wigner, Rev. Mod. Phys. 29, 255, 1957. There are 16 equations.

ASSOCIATION: Belorussekiy gosudarstvennyy universitet imeni V. I. Lenina  
(Belorussian State University imeni V. I. Lenin)

SUBMITTED: June 18, 1962

Card 1/1

L 14370-63

EWT(1)/FCC(w)/BDS

AFFTC/ASD/ESD-3 TJP(C)

ACCESSION NR: AP3001823

P/0045/63/023/005/0647/0653

AUTHOR: Levashev, A. E.; Ivanitskaya, O. S. (S) 57  
56

TITLE: Generalized tetrad formulation of the general relativity theory

SOURCE: Acta physica polonica, v. 23, no. 5, 1963, 647-653

TOPIC TAGS: tetrad formulation, coordinate tetrad, tetrad component, gravitational potential, field equation, equation of motion, transformation of physical tetrad, general relativity

ABSTRACT: Einstein's use of non-Galileian coordinates  $x^u$  causes considerable difficulty. The authors replace these by the field of  $x^m$ -systems, through utilization of generalized transformation of the physical tetrads during parallel displacement in  $X^4$  from point to point, leading to generalization of the connection of the tangent Minkowski spaces described in tetrad formulation by means of Ricci rotation coefficients. Hence this variant is naturally called "generalized tetrad formulation of the G.R.T." In each  $E^4$  we can transform  $x^m$ -coordinates to any arbitrary curvilinear or Galileian  $x^m'$  prime coordinates. A comparison is given between two variants of tetrad formulation of the G.R.T.

Card 1/2 / ASSOCIATION: Belorussian State University, Minsk, Belorussian SSR

IVANITSKAYA, O.S.

Total covariance in the theory of Lorentz connectivity. Dokl. AN  
BSSR 8 no.12:776-778 D '64. (MIRA 18:4)

1. Institut fiziki AN BSSR.

IVANITSKAYA, O.S.

Local invariance and the generalization of inhomogeneous Lorentz  
transformations. Dokl. AN BSSR 9 no.2:88-90 F '65.  
(MIRA 18:5)

1. Institut fiziki AN BSSR.

AUTHORS: Levashev, A. Ye.; Ivanitskaya, O. S.

ABSTRACT: The problem of the existence of a continuous and Lorentzian connectivity in a gravitational field as a necessary condition for the causality of the theory of gravitation is considered.

tion but also deformation. A tetrahedron is given. Ye. Pugachev.

W3 CODE: GP

ENCL: CG

L 45380-66 EWT(1)/EWP(m)/T IJP(c) GW  
ACC NR: AR6016596 SOURCE CODE: UR/0044/65/000/012/A087/A087  
33  
B

33  
B

AUTHORS: Levashev, A. Ye.; Ivanitskaya, O. S.

AUTHORS: Levashov, A. Ye.; Ivanitskaya, O. Yu.  
TITLE: Theory of asymmetric Lorentz connectedness in a gravitational field as  
generalized tetrad formulation of attraction theory

SOURCE: Ref. zh. Matematika, Abs. 12A562

REF SOURCE: Uch. zap. Kazansk. un-t, v. 123, no. 2, 1963, 39-60

TOPIC TAGS: gravitation field, general relativity theory

**TOPIC TAGS:** gravitation field, general

**ABSTRACT:** The authors present the basic ideas for a new approach to the theory of attraction with use of tetrad formalism. In the first section they introduce the tetrad connected with a curvilinear system of coordinates, consider infinitely small transformation of tetrads and their partitions, describing on the one hand deformation, on the other hand, rotation of the tetrad. Further, the authors construct a theory of asymmetric Lorentz connectedness corresponding to the gravitational field. From the generalized tetrad formulation of the general theory of relativity the Einstein equations as equations for  $g^{\mu\nu}$  fall out and the role of potentials must be played by a quantity whose determination and justification is dealt with by the fifth and sixth sections of this paper. The last section contains a comparison of the tetrad and generalized tetrad formulations of the theory of attraction and also a remark on Petrov classification in tetrad formulations of the theory of attraction. V. Kaygorodov [Translation of abstract] UDC: 513:53

Card 1/1 SUB CODE: 20

AKOL'ZIN, L.Ye.; BEDILO, V.Ye.; BOROZDOV, I.A.; VINARSKIY, I.S.;  
GOLOVATYUK, S.A.; NIKOLAYEV, G.P. Prinimali uchastiye:  
DATSUN, N.V.; ZHEGOV, V.T.; IVANITSKAYA, S.Yu.; KOMISSAROV,  
M.A.; KALINCHUK, I.G.; LISHBERGOV, V.D.; SEREMBRKNNIKOVA, S.O.;  
FILIN, V.D. DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.;  
BUBYR', V.A., red.; TYUTYUNIK, Ya.I., red.; VARSHAVSKIY, I.N.,  
red.; MOHIN, M.I., red.; PANCHENKO, A.I., red.; BELYAYEV, F.R.,  
red.; RABINKOVA, L.K., red.izd-va; BOLDYREVA, Z.L., tekhn.red.

[Types of mine cross section] Tipovye secheniya gornykh vyrabotok. Moskva, Gos.sauuchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.5. [Cross section of mines with reinforced-concrete supports and hinge-hung crossbars for 1-, 2- and 3-ton railroad cars] Secheniya vyrabotok, zakreplennykh zhelezobetonnymi stoikami s sharnirno-podvesnym vekhniakom, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 411 p. (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.  
(Mine timbering)

IVANITSKAYA, V.I. (Khar'kov, 1, ul. Kotlova, d.68)

Interscapulothoracic amputation. Nov.khir.arkh. no.4:59-62  
'62. (MIRA 15:5)

1. Khirurgicheskoye otdeleniye (zav. - kand.med.nauk T.P.  
Sibbotina) Khar'kovskogo instituta meditsinskoy radiologii.  
(AMPUTATION OF ARM)

IVANITSKAYA, Val.

Compound treatment of thyroid cancer with  $I^{131}$ , Med. rad. 9 no.83  
3-9 Ag  $^{164}$ .  
(MIRA 18:4)

1. Khar'kovskiy institut meditsinskoy radiologii.

IVANITSKAYA, V.P.; NEMTSOVA, L.G., red.; SHCHEPTKVA, T.A., tekhn.red.

[General theory of surfaces of the second order; textbook on analytic geometry for the correspondence department of pedagogical institutes] Obshchaya teoriya poverkhnostei vtorogo poriadka; uchebnoe posobie po analiticheskoi geometrii dlia zaochnogo otdeleniya pedagogicheskikh institutov. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1958. 122 p.

(MIRA 12:9)

(Surfaces)

Ivanitskaya, Valentina Pavlovna

PHASE I BOOK EXPLOITATION 795

Bakhvalov, Sergey Vladimirovich; Babushkin, Lev Ivanovich, and  
Ivanitskaya, Valentina Pavlovna

Analiticheskaya geometriya; uchebnik dlya pedagogicheskikh  
institutov (Analytic Geometry; a Textbook for Pedagogical  
Institutes) Moscow, Uchpedgiz, 1958. 326 p. 25,000 copies printed.

Ed. (title page): Bakhvalova, S.V.; Ed. (inside book): Ostianu, N.M.;  
Tech. Ed.: Natanov, M.I.

PURPOSE: This book is approved by the Ministry of Education of  
the RSFSR as a textbook for students at pedagogical institutes,  
although certain problems exceed the requirements of such  
a course.

COVERAGE: The book is a text for a classical course in plane and  
solid analytic geometry. The book deals with basic elements of  
analytic geometry. More extensive theories of conics and of

Card 1/13

## Analytic Geometry (Cont.)

795

quadric surfaces are presented. Fundamentals of vector algebra are given, which are applied to certain problems of the theory of a straight line and to coordinate transformations. Although there is no presentation of equations in vector form, certain equations in Cartesian coordinates are derived with the aid of vector algebra. No personalities are mentioned. There are 6 Soviet references.

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AVAILABLE: Library of Congress

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LK/jmr  
11-24-58

S/055/60/000/03/03/010

AUTHORS: Bakhvalov, S.V., and Ivanitskaya, V.P.

TITLE: Orientated Angles and Their Properties

PERIODICAL: Vestnik Moskovskogo universiteta. Seriya I, matematika, mehanika, 1960, No. 3, pp. 20-30

TEXT: The totality of two rays with a common origin and one of the two domains bounded by these rays is called an angle. The angle is called orientated if both rays are considered in a fixed sequence. On the base of the system of axioms of Hilbert the authors prove several properties of orientated angles defined in this manner, e.g.:

Theorem 4: Two arbitrary angles which are orientated like a third one, are equally orientated.  
The authors mention P.S. Modenov, P.K. Rashevskiy and V.F. Kagan. There are 3 figures and 4 references: 3 Soviet and 1 German.

ASSOCIATION: Kafedra vysshey geometrii (Department of Higher Geometry)

SUBMITTED: June 29, 1959

✓B

Card 1/1

BAKHVALOV, S. V.; IVANITSKAYA, V. P.

Oriented angles and their characteristics. Vest. Mosk. un. Ser. 1:  
Mat., mekh. 15 no. 3:20-30 My-Je '60. (MIRA 13:10)

1. Kafedra vysshey geometrii Moskovskogo universiteta.  
(Angle)

BAKHVALOV, Sergey Vladimirovich; BABUSHKIN, Lev Ivanovich; IVANITSKAYA,  
Valentina Pavlovna; DOLGOPOLOV, V.G., red.; SMIRNOVA, M.I.,  
tekhn. red.

[Analytic geometry; textbook for pedagogical institutes]An-  
aliticheskaya geometriia; uchebnik dlja pedagogicheskikh in-  
stitutov. Pod red. S.V.Bakhvalova. Izd.2., perer. Moskva,  
Uchpedgiz, 1962. 367 p. (MIRA 16:2)  
(Geometry, Analytic)

BAKHVALOV, Sergey Vladimirovich; BABUSHKIN, Lev Ivanovich;  
IVANITSKAYA, Valentina Pavlovna; DOLGOPOLOV, V.G., red.

[Analytic geometry; textbook for pedagogical institutes]  
Analiticheskaiia geometriia; uchebnik dlja pedagogicheskikh institutov. Pod red. S.V.Bakhvalova. Izd.3. Moskva, Prosveshchenie, 1965. 367 p. (MIRA 18:12)

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619010007-7"

POPOVA, Ye.M.; PUCHKOVA, M.G.; IVANITSKAYA, Ye.A.

Using yeast autolysates to improve the quality of bulk process  
champagne. Biokhim. vin., no. 5:79-87 '57. (MLRA 10:6)

1. Institut biokhimii im. A.N. Bakha AN SSSR.  
(Champagne (Wine)) (Yeast) (Autolysis)

IVANITSAYA, Ye.A., Cand Bio Sci—(disc) "Effect of ionizing radiation  
upon the sorption properties of tissues in vivo." Nov, [Publishing House  
of the Acad of Sci USSR], 1958. 17 pp (Acad Sci USSR. Inst of Morpho-  
logy of Animals in A.M. Severtsov), 150 copies (KL,45-52, 145)

-53-

IVANITSKAYA, Ye. A. and KUZIN, A. M.

"The Influence of Ionizing Radiations on Sorbtion Ability of Tissues and Cells  
in Vivo."

paper presented at the Intl. Congress on Radiation Research, Burlington, Vermont.  
10-16 Aug 58.

IVANITSKAYA, E.A. and KUZIN, A.M.

"Effect of Radiation on the Sorbtion [sic] of Radioactive Colloids by the Cells," *Sohor T&E*, paper presented at Intl Congress of Radiation Research - Burlington, Vermont, 10-16 Aug 58.

Inst. of Biological Physics, Acad. Sci. USSR, Moscow

IVANITSKAYA, Ye.A.; KUZIN, A.M.; MAMUL', Ya.V.; SHABADASH, A.L.

Changes in the sorption properties of the liver following whole-body  
X irradiation [with summary in English]. Biofizika 3 no.2:220-225  
'58. (MIRA 11:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(LIVER) (X RAYS--PHYSIOLOGICAL EFFECT)

IVANITSKAYA, Ye.A.

Effect of ionizing radiations on the sorption properties of free  
cells [with summary in English]. Biofizika 4 no.1:71-77 Ja '59.  
(MIRA 12:1)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(ROENTGEN RAYS, effects,

on Ehrlich carcinoma & erythrocyte free cells  
sorption properties (Rus))

(ERYTHROCYTES, effect of radiations,  
x-rays, on sorption properties of free cells (Rus))  
(NEOPLASMS, exper.

eff. of x-rays on sorption properties of free Ehrlich  
carcinoma cells (Rus))

IVANITSKAYA, Ye.A.

Investigating the effect of irradiation by gamma rays and neutrons  
on the concentration of free nucleotides in tissues of the animal  
organism. Radiobiologija 1 no.3:336-339 '61. (MIRA 14:10)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.  
(GAMMA RAYS--PHYSIOLOGICAL EFFECT)  
(NEUTRONS--PHYSIOLOGICAL EFFECT) (NUCLEOTIDES)

L 1398-66 ENT(m)

ACCESSION NR: AP5017763

UR/0216/65/000/004/0507/0520

577.391

AUTHOR: Kuzin, A. M.; Plyshevskaya, Ye. G.; Kopylov, V. A.;  
Ivanitskaya, Ye. A.; Lebedeva, N. Ye.; Kolomiytseva, Ia. K.;  
Tokarskaya, S. K.; Mel'nikova, S. K.

34

33

13

TITLE: Role of the "orthophenol-orthoquinone" system in the  
primary mechanisms of radiation effect on the organism

SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 4, 1965,  
507-520

TOPIC TAGS: radiation biologic effect, phenol, quinone, enzyme,  
desoxyribonucleic acid, tyrosine, oxidation

ABSTRACT: A hypothesis stating that the oxidation reaction of  
orthophenols in response to high energy irradiation is closely  
related to the formation of orthoquinones (semiquinones) has evolved  
from the experimental work of the laboratory with which the authors  
are associated. In the present study the immediate effects of  
X-irradiation on enzyme process rates were investigated in a  
tyrosine+tyrosinase model system under strictly controlled conditions

Card 1/3

L 1398-66  
ACCESSION NR: AP5017763

(210 kv, 15 ma, no filter, 100 to 1000 r doses, 10 min incubation). Change in enzyme process rate was determined by the concentration of newly formed orthophenols and orthoquinones. With irradiation of the whole system, the concentration was 5 times higher than for controls. Irradiation of only the tyrosine solution led to a lesser concentration, and the concentration decreased still further with irradiation of only the tyrosinase. When the irradiated mixture was incubated with a suspension of mouse thymus nuclei, the tyrosine oxidation products (orthoquinones) were completely absorbed by the nuclei. Fluorescence tests with acridine-orange on thymus nuclei of mice immediately after irradiation and tests on thymus nuclei treated with tyrosine oxidation products demonstrated the similarity of irradiation effect and orthoquinone effect. The same effect was demonstrated with quinone extracts from gamma-irradiated plant tissue (potato). Treatment of carbon-labeled plant sprouts with extracts from irradiated plants depressed DNA synthesis by 50 to 60%, the same as after gamma-irradiation. Injection of purified orthoquinones, extracted from irradiated plant tissues, into young mice caused loss of weight, growth inhibition, and a sharp decrease in leukocyte level of the peripheral blood. These study data demonstrate the importance of the

Card 2/3

L 1398-66  
ACCESSION NR: AP5017763

"orthophenol-orthoquinone system" in the primary mechanisms of radiation effect. Orig. art. has: 10 figures and 4 tables.

ASSOCIATION: Institut biologicheskiy fiziki AN SSSR (Institute of Biophysics AN SSSR)

SUBMITTED: 22Jan65 ENCL: 00 SUB CODE: LS  
NR REF SOV: 021 OTHER: 010

Card 3/3

L 25811-66 EWT(1)/EWT(m)/T JK  
ACC NR: AP6015925

SOURCE CODE: UR/0216/65/000/004/0507/0520

AUTHOR: Kuzin, A. M.; Plyshevskaya, Ye. G.; Plyshevskaya, E. G.; Kopylov, V. A.;  
Ivanitskaya, Ye. A.; Ivanitzkaya, E. A.; Lebedeva, N. Ye.; Lebedeva, N. E.;  
Kolomiytseva, I. K.; Kolomiytzeva, I. I.; Mel'nikova, S. K.; Melnikova, S. K.;  
Tokarskaya, V. I.

ORG: Institute of Biophysics, AN SSSR, Moscow (Institut biologicheskoy fiziki AN SSSR)

TITLE: Function of the orthophenol-orthoquinone system in the early mechanism of  
action of ionizing radiation on the organism

SOURCE: AN SSSR. Izvestiya. <sup>19</sup> Seriya biologicheskaya, no. 4, 1965, 507-520

TOPIC TAGS: ionizing radiation, radiation biologic effect, radiation plant effect,  
tyrosine, sorption, oxidation, DNA, biosynthesis, radiation sickness

ABSTRACT: The authors concluded from a variety of experiments on plants  
and animals that the initial processes in the irradiated organism develop  
in the following sequence:

(1) During irradiation the formation of active radicals causes very  
slight radiochemical oxidation of the phenols present in the cell, chiefly  
tyrosine.

(2) The resultant oxidation products activate tyrosinase, which  
immediately after irradiation leads to the formation of large quantities of  
biologically active orthoquinones.

(3) The resultant orthoquinones are actively sorbed by the cell nuclei.

UDC: 577.391

Card 1/2

L 25811-66

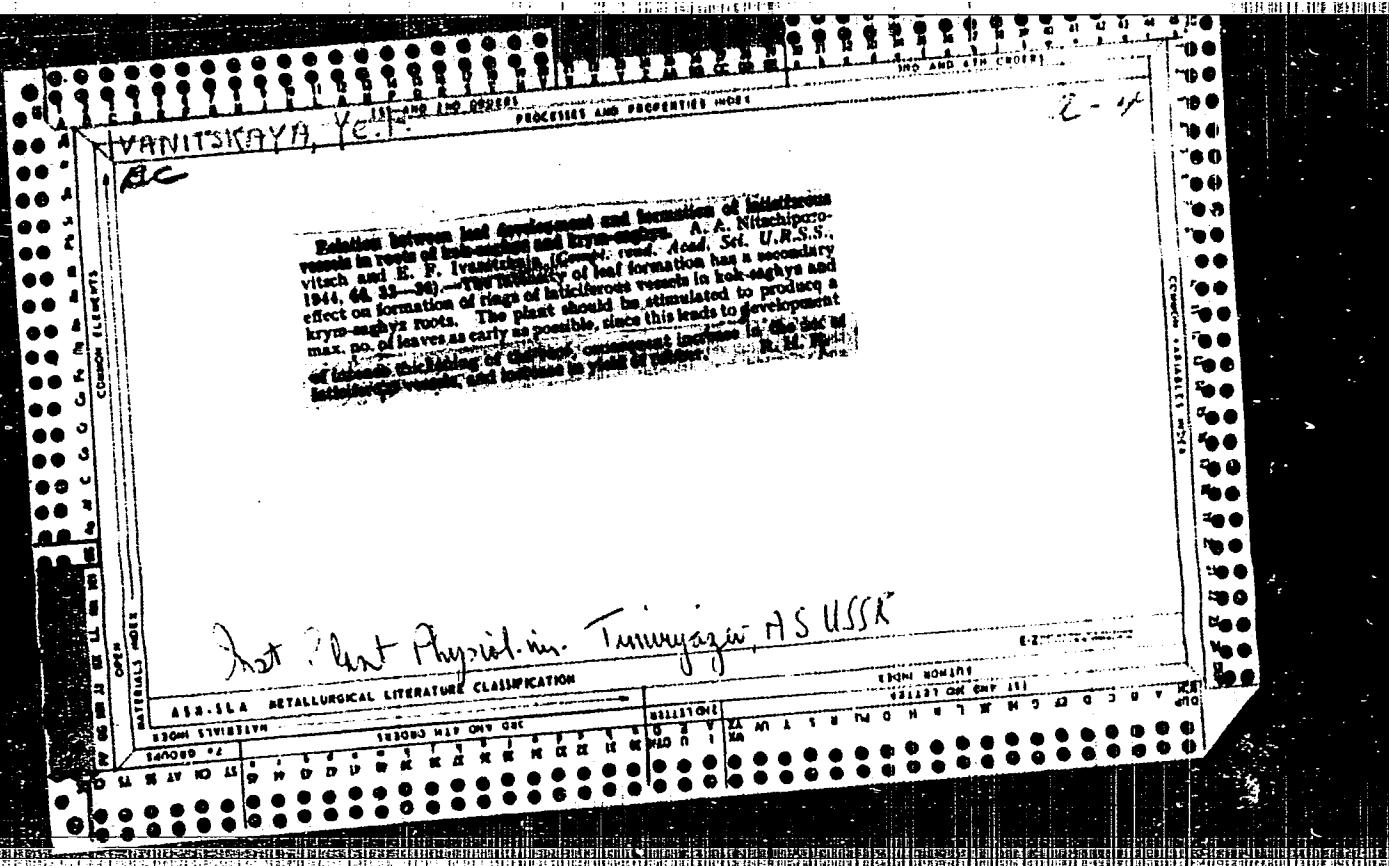
ACC NR: AP6015925

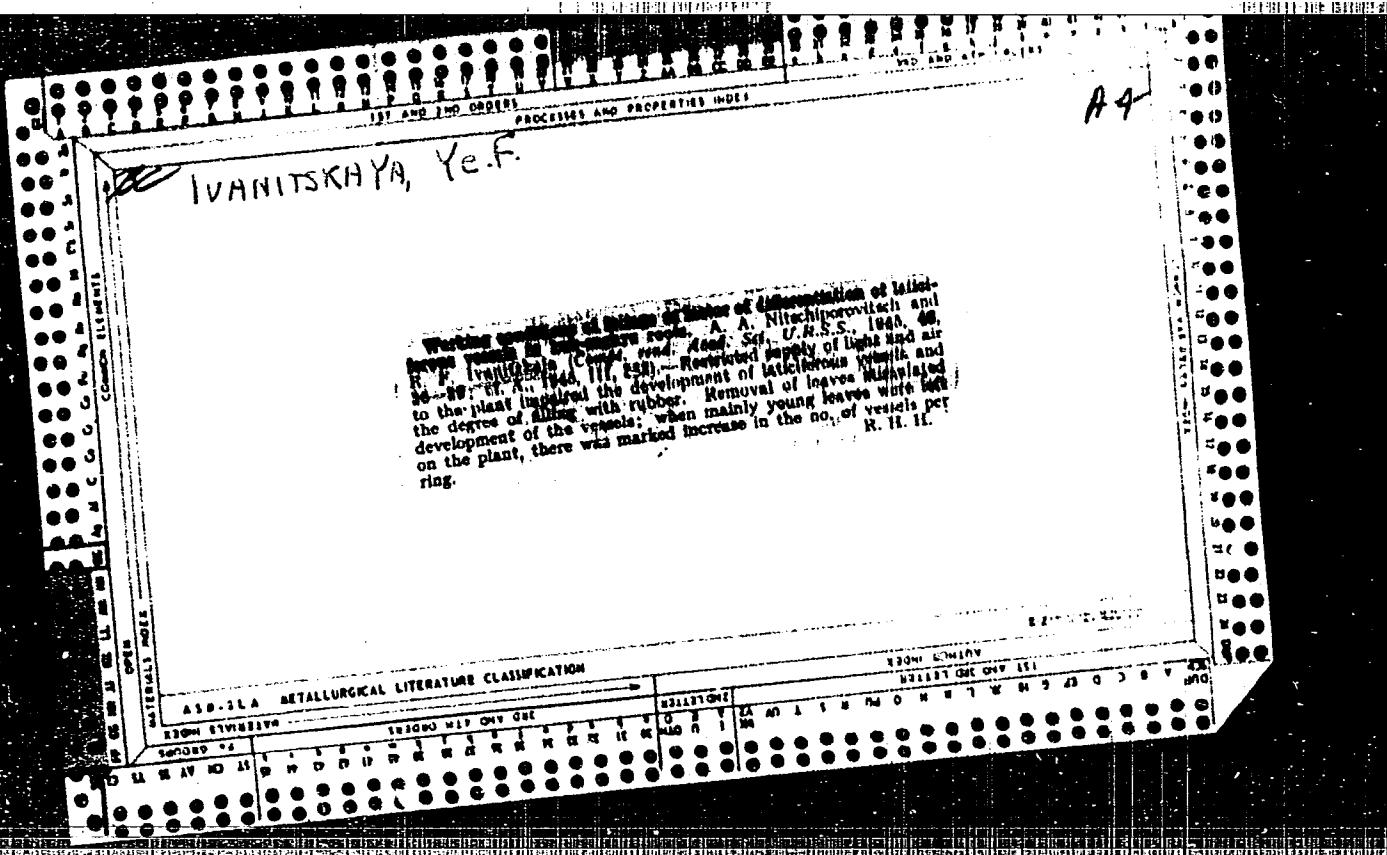
(4) The orthoquinones sorted by the nuclei inhibit DNA synthesis, block the incorporation of thymidine into newly synthesized DNA, and alter their fluorescence in the presence of acridine orange.

(5) The blocking of nuclear DNA by the orthoquinones sharply inhibits cell division, giving rise to leukopenia, arrested growth, weight loss, chromosomal aberrations, and, in sufficiently high concentrations, death of the organism. Orig. art. has: 10 figures and 4 tables. [JPRS]

SUB CODE: 06, 07 / SUBM DATE: 22Jan65 / ORIG REF: 021 / OTH REF: 010

Card 2/2 CC





IVANITSKAYA, Ye.F.

STROGOV, B.P.; KLESHNIN, A.F.; IVANITSKAYA, Ye.F.; OPARIN, A.I., akademik.

Temperature of cotton plant leaves at various types of soil salt accumulation  
and under the conditions of various water supply. Dokl.AN SSSR 93 no.1:179-  
182 N '53. (MLRA 6:10)

1. Akademiya nauk SSSR (for Oparin). 2. Institut fiziologii rasteniy im.  
K.A.Timiryazeva Akademii nauk SSSR (for Strogonov, Kleshnin and Ivanitskaya).  
(Cotton)

IVANITSKAYA Ye.F.

STROGOV, B.P.; IVANITSKAYA, Ye.F.

Physiology of the cotton plant under conditions of different  
types of salinity. Fiziol.rast. 1 no.2:164-172 N-D '54.  
(MLRA8:10)

1. Institut fiziologii rastenii imeni K.A.Timiryazeva Akademii  
nauk SSSR, Moscow  
(Cotton) (Plants, Effect of salts on)

Ivanitskaya, YE. F.

USSR/Agriculture - Plant physiology

Card 1/1 Pub. 22 - 45/48

Authors : Stroganov, B. P., and Ivanitskaya, E. F.

Title : Effect of soil salting on the strength of the chlorophyll bond with albumina of chlorine layers in cotton plants

Periodical : Dok. AN SSSR 98/3, 497-499, Sep 21, 1954

Abstract : The high concentration of salt in the soil and its effect on the strength of the chlorophyll bond with albumina of chlorine layers in cotton plants, was investigated and the results are described. Eight USSR references (1937-1951). Tables.

Institution : Acad. of Sc. USSR, The K. A. Timiryazev Institute of Plant Physiology

Presented by: Academician A. L. Kursanov, June 20, 1954

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619010007-7

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619010007-7"

IVANITSKAYA, Ye. F.

Effect of anions on the cotton plant in a gravel culture. Fiziol. rast.8  
no.1:67-74 '61. (MIRA 14:3)

I. K.A. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy of  
Sciences, Moscow.  
(Plants, Effect of salts on) (Cotton)

IVANITSKAYA, YE. P.

62/49137

USSR/Medicine - Metropathy  
Medicine - Radiotherapy

Jul/Aug 49

Treating Benign Diseases of the Uterus With  
Domestic Preparations of Radium-Mesothorium.  
Ye. P. Ivanitskaya, Can Med Sc1, Cen Sci Res Inst  
of Roentgenol and Radiol imeni Molotov, 2 1/3 pp

"Hilmaer i Ginekol" No 4

Chief characteristic of domestic preparations is  
admixture of mesothorium and radium. Former is  
distinguished by a more stable gamma-radiation  
(Tc) than gamma-rays of radium (RaC). Employed  
platinum filters (1 mm) and a rubber catheter.

62/49137

USSR/Medicine - Metropathy (Contd) Jul/Aug 49

A dose of about 1,000 mg/hr was effective in  
women in the climacteric stage; lesser doses may  
be effective. Of cases treated 94.7% were suc-  
cessful.

62/49137

KOZLOVA, A.V., prof., IVANITSKAYA, Ye.P., doktor med.nauk

Use of radioactive gold in cancer of female genital organs [with  
summary in English]. Vest.rent. i rad. 33 no.4:50-53 Jl-Ag '58

1. Iz radiologicheskogo otdela (zav. - prof. A.V. Kozlova)  
Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii  
i radiologii Ministerstva zdravookhraneniya RSFSR (dir. - dots. I.G.  
Lagunova).

(GENITALIA, FEMALE, neoplasms  
ther.. radiogold (Rus))

(GOLD, radioactive  
ther. of cancer of female genitalia (Rus))

Name IVANITSKAYA-SHPINDLER, Yekaterina Petrovna  
Dissertation Evolution of the Method of Radiation Therapy upon Cancer of the Cervix of the Uterus  
Degree Doc Med Sci  
Affiliation not Indicated  
Defense Date, Place 9 Apr 56, Council of the Central Sci Res Inst of Roentgenology and Radiology imeni Molotov  
⑦<sup>2</sup>  
Certification Date 29 Dec 56  
Source BMVO 7/57

IVANITSKAYA, Ya.P., kand. med. nauk

Vaginal radiotherapy with hard rays in cancer of the femal sexual organs. Trudy TSentr. nauch.-issl. inst. rentg. i rad. 10:241-244 '59. (MIRA 12:9)

(GENERATIVE ORGANS, FEMALE--CANCER)  
(X RAYS--THERAPEUTIC USE)

IVANITSKAYA, Ye.P., doktor med. nauk

Clinical and pathoanatomical parallels in radiant therapy of cancer  
of the cervix uteri. Trudy TSentr. nauch.-issl. inst. rentg. i rad.  
10:247-253 '59. (MIRA 12:9)  
(UTERUS--CANCER)

IVANITSKAYA, Ye.P., doktor med. nauk

Clinical significance of the size of the dose in radiant therapy  
of cancer of the cervix uteri. Trudy TSentr. nauch.-issl. inst. rentg.  
1 rad. 10:254-259 '59. (MIRA 12:9)  
(UTERUS--CANCER) (X RAYS--THERAPEUTIC USE)

IVANITSKAYA, Ye.P., doktor med.nauk (Moskva, 127, Bol'shoy Ovchinnikovskiy pereulok); PAVLOVA, L.I., nauchnyy sotrudnik

Clinical and radiographic examination of women within a period of five years or more, following intensive radiotherapy for cancer of the cervix uteri. Vest.rent.i rad. 35 no.1:39-42 Ja-F '60. (MIRA 13:6)

1. Iz rentgenoterapevticheskogo otdela (zav. - kand.med.nauk I.A. Pereslegin) Nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta (dir. - dotsent I.G. Legunova) Ministerstva zdravookhraneniya RSFSR.  
(CERVIX NEOPLASMS radiother.)

RIMMAN, A.F., inzh.; IVANITSKAYA, Ye.P., doktor med.nauk

Protective screen for radium therapy in gynecology. Vest. rent.  
i rad. 35 no. 5:66-67 S-0 '60. (MIRA 13:12)

1. Iz rentgenoterspekticheskogo otdela (zav. - starshiy nauchnyy  
sotrudnik I.A. Pereslegin) i laboratorii apparatov i trubok (zav. -  
kand.tehnicheskikh nauk V.V. Dmokhovskiy) Gosudarstvennogo nauchno-  
issledovatel'skogo rentgeno-radioologicheskogo instituta Ministerstva  
zdravookhraneniya RSFSR (dir. - prof. I.G. Lagunova).  
(RADIMUM—THERAPEUTIC USE)

IVANITSKAYA, Ye. P. (Moskva)

Experimental reproduction of congenital anomalies in the development and formation of the spine. Med. rad. no.2:86-87 '62.  
(MIRA 15:7)

(SPINE--ABNORMALITIES AND DEFORMITIES)  
(RADIATION--PHYSIOLOGICAL EFFECT)

GURTOVOY, L.Ye., prof.[deceased]; IVANITSKAYA, Ye.P., doktor med.  
nauk; MAZHBITS, A.M., prof.; PREYSMAN, A.B., prof.;  
STARTSEVA, L.N., kand. med. nauk; TRUYEVITSEVA, G.V., kand.  
med.nauk; SHUB, R.L., zasl. deyatel' nauki Latviyskoy SSR  
prof.; YAGUNOV, S.A., prof.[deceased]; PERSIANOV, L.S., prof.,  
otv. red.; ZHMAKIN, K.N., prof., zasl. deyatel' nauki RSFSR,  
red.; RYABOV, G.Z., red.; ROMANOVA, Z.A., tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogotom-  
noe rukovodstvo po akusherstvu i ginekologii. Moskva, Med-  
giz. Vol.4. Book 1. [General gynecology] Obshchaya gineko-  
logia. 1963. 674 p. (MIRA 16:9)

1. Chlen-korrespondent Akademii meditsinskikh nauk (for  
Yagunov, Fersianinov).

(GYNECOLOGY)

IVANITSKAYA, Ye.P.

"Effect of ionizing radiation on the sexual glands, pregnancy  
and intrauterine fetus" by V.I.Bodiazhina, A.P.Kiriushchenkov,  
M.N.Pobedinskii, N.M.Pobedinskii. Reviewed by E.P. Ivanitskaia.  
Akush. i gin. 39 no.4:143 Jl-Ag'63 (MIRA 16:12)

/

IVANITSKAYA, Ye.P.; KHRUSHCHOV, M.M. (Moskva)

Role of radiotherapy in the surgical treatment of rectal  
cancer. Klin. med. 41 no.4:5-7 Ap '63. (MIRA 17:2)

1. Iz rentgenoterapevticheskogo otdela (zav. - starshiy  
nauchnyy sotrudnik I.A. Pereslegin) Gosudarstvennogo nauchno-  
issledovatel'skogo rentgeno-radiologicheskogo instituta  
Ministerstva zdravookhraneniya RSFSR.

IVANITSKIY, A., inzh.

Two suggestions by fitter M.Astashov. Stroitel' no.1:12 Ja '59.  
(MIRA 12:3)  
(Pumping machinery) (Electric cutouts)

GULYAYEV, P., doktor biolog. nauk; AYRAPETYANTS, M. kand.med.nauk;  
IVANITSKIY, A., kand. med. nauk; SARADZHEV, N.; NOVAK, V., vrach;  
MESSING, Vol'f

Thought transference. Tekh.mol. no.1:28-32 '61. (MIRA 14:3)

1. Zaveduyushchiy laboratoriyy fiziologicheskoy kibernetiki  
Leningradskogo universiteta (for Gulyayev). 2. Institut vysshey  
nervnoy deyatel'nosti Akademii nauk SSSR (for Ayrapetyants, Ivanit-  
skiy). 3. Institut normal'noy i patologicheskoy fiziologii  
Akademii meditsinskikh nauk SSSR (for Saradzhev).  
(THOUGHT TRANSFERENCE)

KOZLOVA, A.V., prof., otv.red.; TROITSKIY, V.L., red.; KURLYANDSKAYA,  
E.B., red.; BELOUSOV, A.P., red.; IVANITSKIY, A.F., red.;  
GRODZENSKIY, D.E., red.izd-va; ASTAF'YEVA, G.A., tekhn.red.

[Medical radiology] Meditsinskaia radiologija. Moskva, Izd-vo  
Akad.nauk SSSR, 1960. 400 p. (MIRA 13:4)

1. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primene-  
niyu radioaktivnykh i stabil'nykh izotopov i izlucheniy v narodnom  
khozyaystve i nauke, Moscow, 1957.
2. Ministerstvo zdravookhraneniya  
SSSR i Institut rentgenologii i radiologii RSFSR, Moskva (for Kozlova).
3. Institut gigiyeny truda i profzabolevanij Akademii meditsinskikh  
nauk SSSR (for Kurlyandskaya).

(BIOLOGY, MEDICAL)

IVANITSKIY, A. M.

IVANITSKIY, A. M. -- "The Connection between the Development of the Functions and the Structure of the Cerebral Cortex during Ontogenesis." First Moscow Order of Lenin Medical Inst imeni I. M. Sechenov. Moscow, 1955. (Dissertation for the Degree of Candidate of Medical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

IVANITSKIY, A. M., Cand of Med Sci — (diss) "Comparative characteristics of the action of cardiac glycolyses during experimental arteriosclerosis." Moscow, 1957, 9 pp,  
(Second Moscow State Medical Institute im N. I. Pirogov), 200 copies  
(KL, 30-57, 112)

USSR/Human and Animal Physiology. Circulation

T-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65252

Author : Ivanitskiy A.M.

Inst

Title : A Method for Measuring the Blood Pressure of Rabbits in a Chronic Experiment.

Orig Pub : Farmakol. i toksikologiya, 1957, 20, No 1, 82-84

Abstract : The author presents a cage in which three rabbits can be kept during experiments associated with measurement of the pressure in the common carotid artery, which is kept exposed through the skin. Drawings and dimensions of the cage are given, and the method of measuring the blood pressure is described. The advantage of the method consists in the fact that the rabbits are in a natural condition---I.I. Sandalova

Card : 1/1

Ivanitskiy, A.M.

IVANITSKIY, A.M.

Comparative characteristics of cardiac glycosides in experimental atherosclerosis; author's abstract. Farm. i toks. 20 no.5:79-80 S-O '57. (MIRA 10:12)

1. Otdel farmakologii (zav. - prof. A.D.Turova) Vsesoyuznogo nauchno-issledovatel'skogo instituta lekarstvennykh i aromaticheskikh rasteniy.

(ARTERIOSCLEROSIS, experimental, eff. of cardiac glycosides, comparison of various prep. (Rus))

(CARDIAC GLYCOSIDES, effects, on exper. arteriosclerosis, comparison of various prep. (Rus))

IVANITSKIY, A. M.

"The Investigation of the Bioelectrical Activity of Animal Brains."

report presented at the Conference on influence of Ionizing Radiation upon the  
Higher Developed Parts of the Central Nerve System, Inst. of Higher Nervous  
Activity, AS USSR, 8-10 May 1958.

Ivanitsky A.M.

EXCERPTA MEDICA Sec 2 Vol 12/5 Physiology May 59

1887. RELATIONSHIP BETWEEN DEVELOPMENT OF FUNCTION AND STRUCTURE OF THE CEREBRAL CORTEX IN ONTOGENESIS. I. DEVELOPMENT OF CONDITIONED REFLEX ACTIVITY IN ONTOGENESIS IN RABBITS (Russian text) - Ivanitsky A.M. - BYULL. EKSPER. BIOL. I MED. 1958, 46/7 (27-30) Graphs 1 Illus. 2

It was established in experiments on rabbits that conditioned food reflexes to olfactory stimulation commence to develop from the very first day after birth. Conditioned food reflexes to tactile, thermal and sound stimulations develop from the 10th to 13th day. Reflexes to light stimulations begin to develop from the 13th to 15th day after birth. Conditioned defence reflexes to sound and light develop at the same periods as the conditioned food reflexes to these stimuli. (II, 1, 8\*)

*Chair Normal Physiol,*

*I. Moscow DL Med Inst im I. M. Sechenov*

IVANITSKIY, A.M.

Relation between development of the structure and function of the cerebral cortex in ontogenesis. Report No.2: Histological differentiation of the cells of the cerebral cortex in rabbits in ontogenesis [with summary in English]. Biul.eksp.biol. i med. 46 no.8:118-125 Ag '58 (MIRA 11:10)

1. Iz kabineta morfologii mozga (zav. - prof. M.M. Aleksandrovskeya Instituta vysshey nervnoy deyatel'nosti (dir. deystvitel'nyy chlen AMN SSSR A.G. Ivanov-Smolenskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR S.A. Sarkisovym.  
(CEREBRAL CORTEX, embryol.  
histol. differentiation of cells of cerebral cortex  
in rabbits (Rus))

IVANITSKIY, A.M. (Moskva)

Electroencephalographic analysis of some late sequelae of antenatal ionizing irradiation of animals [with summary in English].  
Pat.fiziol. i eksp.terap. 3 no.1:21-26 Ja-F '59.

(MIRA 12:2)

1. Iz laboratorii radiobiologii (zav. - prof. I.A. Piontkovskiy)  
Instituta vysshey nervnoy deyatel'nosti AN SSSR.

(FETUS, effect of radiations,  
on postnatal EEG in animals (Rus))

(RADIATIONS, effects,  
on fetus, postnatal EEG in animals (Rus))

(ELECTROENCEPHALOGRAPHY,  
eff. of antenatal irradiation on postnatal  
EEG in animals (Rus))

IVANITSKIY, A.M.

Results of the second conference on the effect of ionizing radiation  
on the higher segments of the central nervous system. Pat.fiziol. i  
eksp.terap. 3 no.1:93-94 Ja-F '59. (MIRA 12:2)  
(RADIATION--PHYSIOLOGICAL EFFECT)

IVAN LIOVKOVICH

Mechanism of vascular permeability disorders in rabbits  
poisoned with tritium. Med.rad. 4 no.7:47-52 Jl '59.  
(MIRA 12:9)

(TRITIUM tox.)  
(BLOOD VESSELS radiations eff.)  
(PERMEABILITY)

IVANITSKIY, A.M.

Use of the wedge-type colorimeter for fluorometry. Lab.delo 5  
no.6:47-48 N-D '59. (MIRA 13:3)  
(FLUORIMETRY)

IVANITSKIY, A.M.

Method for the investigation of pupillary reactions. Farm. i toks.  
22 no. 6:568-569 N-D '59. (MIRA 13:5)  
(PUPIL--EYE)

IVANITSKIY, A.M.

Morphological study of the development of the conditioned alimentary reaction in ontogenesis in rabbits. Trudy Inst. vys.nerv.deiat. Ser.fiziol. 4:126-140 '60. (MIRA 13:7)

1. Iz Kabineta morfologii mozga Instituta vysshoy nervnoy deyatel'nosti AN SSSR. Zaveduyushchiy kabinetom - M.M. Aleksandrovskaya.  
(CONDITIONED RESPONSE) (CEREBRAL CORTEX)

IVANITSKIY, A.M. (Moskva)

Functions of the reticular formation of the brain stem. Pat.  
fiziol.eksp.terap. 4 no.1:76-83 Ja-F '60. (MIRA 13:5)  
(BRAIN physiol.)

IVANITSKIY, A.M. (Moskva)

Use of piezoelectric recorders for measuring arterial blood pressure in rabbits under long-term experimental conditions.  
Pat.fizioli eksp.terap. 5 no.1:69-70 Ja-F '60. (MIRA 14:6)

1. Iz laboratorii radiobiologii (zav. - prof. I.A.Piontkovskiy)  
Instituta vysshey nervnoy deyatel'nosti AN SSSR.  
(BLOOD PRESSURE)

IVANITSKIY, A.M.

Pupillary reactions in rabbits injured by small quantities of  
Sr 90. Biul. eksp. i biol. med. 50 no. 8:83-86 Ag '60.  
(MIRA 13:10)

1. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Zakusovym.  
(STRONIUM--ISOTOPES) (RADIATION--PHYSIOLOGICAL EFFECT)  
(PUPIL (EYE)) (REFLEXES)

87418  
S/020/60/135/006/036/037  
B016/B060

17.2400  
21.6300

AUTHORS:

TITLE:

PERIODICALS:

Piontovskiy, I. A. and Ivanitskiy, A. M.  
Hypertonic Syndrome in Animals Irradiated During the  
Embryonic Time  
Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 6,  
pp. 1554-1556

TEXT: The authors report on their experiments with the action of ionizing radiation (dose 300 - 400 r) on rabbit embryos on the 15th and 23rd day of embryogeny. As is known, the consequence is a lasting affection of the central nervous system leading to a hypertonic syndrome in grown-up animals. The authors wanted to study this syndrome in perturbations of the regulating functions, among other things, in the coronary vessel system. Table 1 shows the average values of arterial pressure in irradiated rabbits and in control animals. It was found that an irradiation of animals in the middle of embryogeny (15th day) effects the sharpest deviation from the control animals. Animals of this group were divided

Card 1/3

Hypertonic Syndrome in Animals Irradiated  
During the Embryonic Time

S/020/60/135/006/036/037  
B016/B060

into three subgroups (age groups): a) the oldest (1.5 years), b) the middle (8-10 months), and c) the youngest (5-6 months). Hypertension was greatest in group a) and fairly stable (165-250 mm Hg). A tendency toward hypertension was marked in group b) also (155-200 mm Hg), but a considerable lability of the pressure height was observed here. Animals of group c) did not greatly deviate from normal state. Animals subjected to irradiation on the 23rd day of embryogeny were examined at the age of 1 - 3 years. They were found to have an unstable blood pressure. Although some of the animals exhibited a certain tendency toward hypertension, blood pressure was reduced in most of the rabbits, sometimes as far as 60 - 80 mm Hg (Fig. 1 b). These results are explained as follows: perturbations in the blood pressure were probably caused by a perturbation in the regulating activity on part of the higher vaso-motor centers; also the pituitary - adrenal glands system and kidneys may be involved in the process. Special experiments (with the use of electroencephalography) have shown that irradiation on the 15th day prevalently affects the trunk structures of the cerebrum, especially the function of the activating reticular system. Here are the regulating centers of blood pressure. Irradiation on the 23rd day particularly affects the cerebral cortex.

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Hypertonic Syndrome in Animals Irradiated  
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A change in blood pressure is regulated by cortical mechanisms. The instability of arterial blood pressure observed on the group irradiated on the 23rd day is thought to be related to the disorganization of cortical centers. Summing up: the hypertonic disease, which is largely caused by hereditary factors, is shown on the basis of a described reproduction (irradiation on the 15th day of embryogeny) to be by all means usable as an experimental simulation of the clinical hypertonic disease. There are 1 figure and 12 references; 9 Soviet and 1 US.

ASSOCIATION: Institut vysshey nervnoy deyatel'nosti Akademii nauk SSSR  
(Institute of Higher Nerve Function of the Academy of Sciences USSR)

PRESENTED: July 16, 1960, by V. N. Chernigovskiy, Academician

SUBMITTED: July 15, 1960

Card 3/3

S/636/61/000/000/009/013  
D298/D303

AUTHOR: Ivanitskiy, A.M.

TITLE: A study of the inter-center relationships in the brain  
of a rabbit, irradiated with X-rays during embryogenesis

SOURCE: Piontkovskiy, I.A., Vliyaniye ioniziruyushchego izlu-  
cheniya na funktsiyu vysshikh otdelov tsentral'noy  
nervnoy sistemy potomstva. Moscow, Medgiz, 1961, 141-155

TEXT: Electrophysiology tests of the higher central nervous system  
were conducted on 27 rabbits. Of these, 9 were irradiated on the  
15th and 8 on the 23rd day of embryogenesis with a 400 and 300 r  
X-ray dose, respectively. 10 rabbits served as control. The PYM -3  
(RUM-3) X-ray unit was used. An analysis of the obtained changes  
in the sections of the central nervous system and their localiza-  
tion, was carried out. The inter-center relationships were studied  
by creating a certain reaction in the animal connected with the  
simultaneous activity of the various brain structures, namely, the  
"rousing" or "activation" reaction of the electroencephalogram

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A study of the inter-center ...

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D298/D303

(Rheinberger, A. Jasper, 1937). The rousing reaction was caused by injecting adrenaline into the adult animal; the biocurrents were recorded with a 4-channel "Ediswan" electroencephalograph. The experimental results led to the following conclusions: 1) Intravenous injection of the adrenaline causes changes in the rabbit's encephalogram, typical of the "rousing reaction". 2) The reaction is expressed through the synchronization of the electroencephalogram of the visible region in the main rhythm. In the mobility region, both desynchronization as well as synchronization of the curve, are noted. 3) A significant increase of the adrenaline dose causes a drop or disappearance of the typical reactions, and in many cases, a shifting to spindle-like activity which, in turn, is explained by phenomena of excess inhibition. 4) There are significant individual differences in the adrenaline doses, causing threshold and excessive effects. An assumption is made that these differences depend on the different physiological strength of the reticular centers in the various animals. 5) The use of an adrenaline sample in animals, irradiated in the middle and late stages of embryogenesis, revealed a sharp sensitivity increase to the adrenalin-

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IVANITSKIY, A.M.

Use of the adrenaline test in electroencephalographic investigations performed with rabbits. Trudy Inst. vys. nerv. deiat. Ser. fiziol. 6:292-299 '61. (MIRA 14:12)

1. Iz Laboratorii radiobiologii, zav. - I.A.Piontkovskiy.  
(ELECTROENCEPHALOGRAPHY) (ADRENALINE)

27.2400

40661

S/241/62/007/007/004/006  
I015/I215

AUTHOR: Ivanitskiy, A. M.

TITLE: Sensitivity of the organism to drugs during irradiation with Sr<sup>90</sup>

PERIODICAL: Meditsinskaya radiologiya, v. 7, no. 7, 1962, 72-74

TEXT: The tolerance of an organism to drugs in radiation sickness has not been sufficiently studied. The experiments were performed on 180 (90 controls) albino rats weighing 170-200 g. A single intraperitoneal injection of 1.5 millicuries/kg b.w. of Sr<sup>90</sup> caused subacute radiation sickness. The tolerance of the animals to the following drugs was examined 2-3 weeks after the introduction of Sr<sup>90</sup>: coffeein (20%), hexenal (5%), strychnin (0.1%), novocain (2%), cocaine (1%), curare (0.01%), ephedrin (5%), eserin (0.5%), atropin (5%), tetraethylammonium (2%), strophanthin (0.5%), cordiamine, calcium chloride (10%), mercusal, and sodium cyanide (0.1%). The lethal doses of these drugs were compared for irradiated and control animals. No significant differences in tolerance were found except for the decrease in resistance to hexenal. There is 1 table.

SUBMITTED: November 17, 1961

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Card 1/1

AYRAPETYANTS, M.G.; IVANITSKIY, A.M.

"Effect of ionizing radiations on the nervous system" by A.V.  
Lebedinskii, Z.N. Nakhil'netskaia. Reviewed by M.G. Airape-  
tiants, A.N. Ivanitskii. Pat. fiziol. i eksp. terap. 7 no.2:  
94-95 Mr-Ap'63.

(MIRA 16:10)

(RADIATION—PHYSIOLOGICAL EFFECT)  
(NERVOUS SYSTEM)

IVANITSKIY, A.M.

Toxicology of organic tin compounds; review of the literature.  
Farm. i taks. 26 no.5628-632 S-0 '63. (MIRA 17:8)

IVANITSKIY, A.M.

Study of cortical and subcortical relations in reactive states  
by means of electrophysiological methods. Probl. obshchei i  
sud. psich. no.14:274-281 '63. (MIRA 18:9)

IVANITSKIY, A.M.; ZAKUTINSKIY, D.I., prof., nauchnyy rukovoditel' [deceased]

Use of the spirograph and artificial respiration apparatus under  
experimental conditions. Farm. i toks. 27 no.1:102-104 Ja-F '64.  
(MIRA 17:11)

FREYYEROV, O.Ye.; IVANITSKIY, A.M.

Results of a clinicophysiological study of effective pain  
disorders in oligophrenia. Zhur. nevr. i psikh. 64 no.10,  
1539-1546 '64. (MIRA 17:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sudebnoy  
psichiatrii im. Serbskogo (direktor - dotsent G.V. Morozov),  
Moskva.

FELINSKAYA, N.I.; IVANITSKIY, A.M.

Mechanism of protective inhibition in reactive psychoses.  
Zhur. nevr. i psikh. 64 no. 12:1852-1857 '64. (MIRA 18;1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sudebnoy  
psichiatrii im. Serbskogo (direktor - dotsent G.V. Morozov).